

35. (New) A method for identifying a compound that modulates an immune response, comprising  
providing an indicator composition comprising a maf family protein and a target DNA to which said maf family protein bind, said indicator composition being an indicator cell or an acellular preparation;  
contacting the indicator composition with each member of a library of test compounds;  
selecting from the library of test compounds a compound of interest that modulates the activity of the maf family protein; and  
determining the effect of the compound of interest on an immune response to thereby identify a compound that modulates an immune response.

36. (New) The method of claim 35, wherein the maf family protein is c-Maf.

37. (New) The method of claim 35, wherein the effect of the compound of interest on an immune response is determined by determining the effect of the compound on expression of a Th2-associated cytokine gene.

38. (New) The method of claim 37, wherein the Th2-associated cytokine gene is an interleukin-4 gene.

39. (New) The method of claim 35, wherein the effect of the compound of interest on an immune response is determined by determining the effect of the compound on development of T helper type 1 (Th1) or T helper type 2 (Th2) cells.

40. (New) The method of claim 35, wherein the maf family protein is selected from the group consisting of v-maf, mafB, Nrl, mafK, mafF, mafG and p18.

41. (New) The method of claim 35, wherein the target DNA comprises a regulatory sequence of a Th2-associated cytokine gene.

42. (New) The method of claim 41, wherein the Th2-associated cytokine gene is an interleukin-4 gene.

43. (New) The method of claim 35, wherein the indicator composition is an indicator cell.

44. (New) The method of claim 43, wherein the indicator cell is a lymphoid cell.
45. (New) The method of claim 44, wherein the lymphoid cell is a Th2 cell.
46. (New) The method of claim 44, wherein the lymphoid cell is a Th1 cell.
47. (New) The method of claim 44, wherein the lymphoid cell is a B cell.
48. (New) The method of claim 43, wherein the indicator cell is a non-lymphoid mammalian cell.
49. (New) The method of claim 43, wherein the indicator cell is a yeast cell.
50. (New) A method for identifying a protein from Th2 cells that interacts with a maf family protein, comprising:
- a) providing a population of indicator cells, which population of indicator cells comprises:
    - i) a maf family protein lacking a transcriptional activation domain;
    - ii) a cDNA library prepared from Th2 cells; and
    - iii) a reporter gene operably linked to a transcriptional regulatory sequence to which the maf family protein binds;wherein expression of the reporter gene is sensitive to interactions between the maf family protein, a protein encoded by the cDNA library and the transcriptional regulatory sequence; and
  - b) selecting indicator cells within the population in which reporter gene expression is stimulated to thereby identify a protein from Th2 cells that interacts with a maf family protein.
51. (New) The method of claim 50, wherein the maf family protein is a c-Maf protein.
52. (New) The method of claim 50, wherein the maf family protein is selected from the group consisting of v-maf, mafB, Nrl, mafK, mafF, mafG and p18.

08/636-021299